
EDUCATION

UNIVERSITY OF CALIFORNIA, LOS ANGELES

Los Angeles, CA

Bachelor of Arts in Business Economics with a Minor in Accounting

Sept 2012 – Dec 2014

- *Academics*: GPA 3.93 (*Summa Cum Laude*)
- *Honors*: College Honors, Dean's Honors List (6 Quarters), National Society of Collegiate Scholars, Alpha Lambda Delta & Phi Eta Sigma National Honor Societies
- *Relevant Coursework*: Econometrics, Investments, International Finance, Business Law (US), Financial Accounting (US GAAP), Management Accounting, Auditing (GAAS), Corporate and Partnership Taxation (US)

EXPERIENCE

NOGGIN ASIA

Singapore

Research Intern

June 2015 – Present

- Conceptualized data products that derive insights from social media and transactional data
- Designed user interface and data visualizations for the Noggin Personal Insights App
- Researched potential applications of IBM Bluemix Solutions for future projects
- Compiled and developed marketing collateral of enterprises and initiatives in the space of personal data

ONE HEART SOURCE

Cape Town, South Africa

2013 South Africa Volunteer Corps

Summer 2013

- Instructed 3rd and 4th grade students in English, Mathematics, and Health Education
- Collaborated with an international team of volunteers through community development and social activism
- Administered the Developmental Reading Assessment (DRA) to 3rd and 4th grade students

PORTFOLIO

DATA SCIENCE CAPSTONE *in collaboration with SwiftKey*

Johor Bahru, Malaysia

Natural Language Processing and Text Mining

Winter 2016

- Collated and tokenized data from the Corpus of Contemporary American English
- Assembled a predictive text algorithm based on n -gram language models using back-off processes
- Programmed an interactive web application as an interface for the predictive text algorithm

COURSE PROJECT *for Developing Data Products*

Johor Bahru, Malaysia

Exploratory Data Analysis and Visualization

Fall 2015

- Analyzed and processed global economic data collected from the World Bank
- Correlated demographic and economic trends across countries by examining population sizes
- Summarized the results of exploratory analysis through an interactive map interface



INDEPENDENT PROJECT

Johor Bahru, Malaysia

Equity Valuation and Analysis

Spring 2015

- Initiated development of an equity valuation application geared toward amateur investors
- Designed a valuation algorithm based on abnormal earnings growth and residual income analysis
- Extrapolated valuation outcomes into a stock recommender system



ADDITIONAL

Technical Skills: Apache Spark, C++, Java, MATLAB, Python, R, SQL/NoSQL, Tableau*Certifications*: Specialization in Data Science (Johns Hopkins University *via* Coursera)*Languages*: English (*Native*), Malay (*Fluent*), Mandarin (*Conversant*), French (*Conversant*)*Service*: Civilian member of the American Red Cross (ARC) and the Community Emergency Response Team (CERT)*Interests*: Traveling, Foreign Languages, Journalism, Creative Writing, Hiking, Rock Climbing, Skateboarding

CONTINUING EDUCATION

JOHNS HOPKINS UNIVERSITY *via Coursera*

Massive Open Online Course

Certificate of Specialization in Data Science

Aug 2015 – Dec 2015

- *Grade:* 99.2% (*Distinction*), 9 Courses
- *Capstone Project:* Natural Language Processing and Text Mining in collaboration with SwiftKey
- *Relevant Coursework:* Exploratory Data Analysis, Reproducible Research, Statistical Inference, Regression Models

MASSACHUSETTS INSTITUTE OF TECHNOLOGY *via edX*

Massive Open Online Course

6.00.1: *Introduction to Computer Science and Programming*

Aug 2015 – Oct 2015

- *Grade:* 98.2% (*A*)
- *Course Content:* Object-Oriented Programming, Computational Complexity, Algorithms and Data Structures

6.00.2: *Introduction to Computational Thinking and Data Science*

Oct 2015 – Dec 2015

- *Grade:* 97.6% (*A*)
- *Course Content:* Stochastic Programming, Probability and Statistical Inference, Dynamic Programming

PRINCETON UNIVERSITY *via Coursera*

Massive Open Online Course

COS 226: *Algorithms and Data Structures*

Dec 2015 – Mar 2016

- *Grade:* In Progress
- *Course Content:* Data Abstraction, Sorting, Searching, Graphs, Strings, Reductions, Intractability

STANFORD UNIVERSITY *via Coursera, OpenEdX*

Massive Open Online Course

CS 145: *Introduction to Databases*

Oct 2015 – Mar 2016

- *Grade:* 100.0%
- *Course Content:* Database Design, Indexes and Transactions, Constraints and Triggers, Views and Authorization

CS 229: *Machine Learning*

Oct 2015 – Dec 2015

- *Grade:* 100.0%
- *Course Content:* Artificial Neural Networks, Dimensionality Reduction, Anomaly Detection, Recommender Systems

STATS 216: *Introduction to Statistical Learning*

Dec 2015 – Mar 2016

- *Grade:* In Progress
- *Course Content:* Resampling Methods, Tree-Based Methods, Support Vector Machines, Clustering Methods

UNIVERSITY OF CALIFORNIA, BERKELEY *via edX*

Massive Open Online Course

CS 100: *Introduction to Big Data*

Oct 2015 – Dec 2015

- *Grade:* 100.0%
- *Course Content:* Parallel Programming, Log Mining, Textual Entity Recognition, Collaborative Filtering

UNIVERSITY OF PENNSYLVANIA *via Coursera*

Massive Open Online Course

ENM 503: *Introduction to Probability*

Oct 2015 – Dec 2015

- *Grade:* 100.0% (*Distinction*)
- *Course Content:* Combinatorics, Independence, Order Statistics, Stochastic Processes, Limit Theorems

YALE UNIVERSITY *via Coursera*

Massive Open Online Course

ECON 252: *Financial Markets*

Oct 2015 – Dec 2015

- *Grade:* 100.0%
- *Course Content:* Risk Management, Behavioral Finance, Real Estate, Derivatives, Financial Infrastructure

UNIVERSITY OF WASHINGTON *via Coursera*

Massive Open Online Course

ECON 424: *Introduction to Computational Finance and Financial Econometrics*

Dec 2015 – Mar 2016

- *Grade:* In Progress
- *Course Content:* Matrix Calculus, Portfolio Optimization, Risk Budgeting, Index Models, Capital Asset Pricing Model